

<b>Exploring Aeronautics</b>			
<b>2005 Science</b>			
<b>Academic Standards</b>			
<b>Nevada Science</b>			
<b>Grades 3-5</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Fundamentals of Aeronautics (145-176)	NV	SCI.3-5.N.5.A.1	Students know scientific progress is made by conducting careful investigations, recording data, and communicating the results in an accurate method.
Fundamentals of Aeronautics (145-176)	NV	SCI.3-5.P.5.B.1	Students know that, when an unbalanced force is applied to an object, the object either speeds up, slows down, or goes in a different direction.
Fundamentals of Aeronautics (145-176)	NV	SCI.3-5.P.5.B.2	Students know how the strength of a force and mass of an object influence the amount of change in an object's motion.
Airplane Control(209-256)	NV	SCI.3-5.P.5.B.1	Students know that, when an unbalanced force is applied to an object, the object either speeds up, slows down, or goes in a different direction.
Airplane Control(209-256)	NV	SCI.3-5.P.5.B.2	Students know how the strength of a force and mass of an object influence the amount of change in an object's motion.
Tools of Aeronautics(257-326)	NV	SCI.3-5.E.5.A.5	Students know air is a substance that surrounds us, takes up space, and moves around us as wind.
How an Airplane Flies	NV	SCI.3-5.P.5.B.1	Students know that, when an unbalanced force is applied to an object, the object either speeds up, slows down, or goes in a different direction.
How an Airplane Flies	NV	SCI.3-5.P.5.B.2	Students know how the strength of a force and mass of an object influence the amount of change in an object's motion.
The Tools of Aeronautics	NV	SCI.3-5.N.5.A.6	Students know models are tools for learning about the things they are meant to resemble.
The Tools of Aeronautics	NV	SCI.3-5.E.5.A.5	Students know air is a substance that surrounds us, takes up space, and moves around us as wind.
The Activity Center	NV	SCI.3-5.P.5.B.2	Students know how the strength of a force and mass of an object influence the amount of change in an object's motion.
Science of Flight	NV	SCI.3-5.E.5.A.5	Students know air is a substance that surrounds us, takes up space, and moves around us as wind.
Integrating with Aeronautics	NV	SCI.3-5.N.5.A.4	Students know graphic representations of recorded data can be used to make predictions.
Intro to Aeronautics (109-123)	NV	SCI.3-5.N.5.A.1	Students know scientific progress is made by conducting careful investigations, recording data, and communicating the results in an accurate method.
Intro to Aeronautics (109-123)	NV	SCI.3-5.P.5.B.1	Students know that, when an unbalanced force is applied to an object, the object either speeds up, slows down, or goes in a different direction.

Intro to Aeronautics (109-123)	NV	SCI.3-5.P.5.B.2	Students know how the strength of a force and mass of an object influence the amount of change in an object's motion.
Scientific Method(124-144)	NV	SCI.3-5.N.5.A.1	Students know scientific progress is made by conducting careful investigations, recording data, and communicating the results in an accurate method.
Scientific Method(124-144)	NV	SCI.3-5.N.8.A.3	Students know how to draw conclusions from scientific evidence.
<b>Exploring Aeronautics</b>			
<b>2005 Science</b>			
<b>Academic Standards</b>			
<b>Nevada Science</b>			
<b>Grades 6-8</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Fundamentals of Aeronautics (145-176)	NV	SCI.6-8.N.8.A.1	Students know how to identify and critically evaluate information in data, tables, and graphs.
Fundamentals of Aeronautics (145-176)	NV	SCI.6-8.P.8.B.1	Students know the effects of balanced and unbalanced forces on an object's motion.
Fundamentals of Aeronautics (145-176)	NV	SCI.6-8.P.8.B.3	Students know every object exerts gravitational force on every other object, and the magnitude of this force depends on the mass of the objects and their distance from one another.
Wings(177-208)	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.
Airplane Control(209-256)	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.
Airplane Control(209-256)	NV	SCI.6-8.P.8.B.1	Students know the effects of balanced and unbalanced forces on an object's motion.
Airplane Control(209-256)	NV	SCI.6-8.P.8.B.3	Students know every object exerts gravitational force on every other object, and the magnitude of this force depends on the mass of the objects and their distance from one another.
Tools of Aeronautics(257-326)	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.
Tools of Aeronautics(257-326)	NV	SCI.6-8.N.8.A.6	Students know scientific inquiry includes evaluating results of scientific investigations, experiments, observations, theoretical and mathematical models, and explanations proposed by other scientists.
How an Airplane Flies	NV	SCI.6-8.P.8.B.1	Students know the effects of balanced and unbalanced forces on an object's motion.
How an Airplane Flies	NV	SCI.6-8.P.8.B.3	Students know every object exerts gravitational force on every other object, and the magnitude of this force depends on the mass of the objects and their distance from one another.
The Tools of Aeronautics	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.

The Tools of Aeronautics	NV	SCI.6-8.N.8.A.6	Students know scientific inquiry includes evaluating results of scientific investigations, experiments, observations, theoretical and mathematical models, and explanations proposed by other scientists.
The Activity Center	NV	SCI.6-8.P.8.B.1	Students know the effects of balanced and unbalanced forces on an object's motion.
The Activity Center	NV	SCI.6-8.P.8.B.3	Students know every object exerts gravitational force on every other object, and the magnitude of this force depends on the mass of the objects and their distance from one another.
Science of Flight	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.
Science of Flight	NV	SCI.6-8.N.8.A.5	Students know how to use appropriate technology and laboratory procedures safely for observing, measuring, recording, and analyzing data.
Science of Flight	NV	SCI.6-8.N.8.A.6	Students know scientific inquiry includes evaluating results of scientific investigations, experiments, observations, theoretical and mathematical models, and explanations proposed by other scientists.
Science of Flight	NV	SCI.6-8.P.8.B.1	Students know the effects of balanced and unbalanced forces on an object's motion.
Science of Flight	NV	SCI.6-8.P.8.C.2	Students know vibrations (e.g., sounds, earthquakes) move at different speeds in different materials, have different wavelengths, and set up wave-like disturbances that spread away from the source uniformly.
Integrating with Aeronautics	NV	SCI.6-8.N.8.A.1	Students know how to identify and critically evaluate information in data, tables, and graphs.
Integrating with Aeronautics	NV	SCI.6-8.N.8.A.5	Students know how to use appropriate technology and laboratory procedures safely for observing, measuring, recording, and analyzing data.
Integrating with Aeronautics	NV	SCI.6-8.P.8.B.1	Students know the effects of balanced and unbalanced forces on an object's motion.
Intro to Aeronautics (109-123)	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.
Intro to Aeronautics (109-123)	NV	SCI.6-8.N.8.A.5	Students know how to use appropriate technology and laboratory procedures safely for observing, measuring, recording, and analyzing data.
Intro to Aeronautics (109-123)	NV	SCI.6-8.N.8.A.6	Students know scientific inquiry includes evaluating results of scientific investigations, experiments, observations, theoretical and mathematical models, and explanations proposed by other scientists.
Intro to Aeronautics (109-123)	NV	SCI.6-8.P.8.B.1	Students know the effects of balanced and unbalanced forces on an object's motion.

Intro to Aeronautics (109-123)	NV	SCI.6-8.P.8.B.3	Students know every object exerts gravitational force on every other object, and the magnitude of this force depends on the mass of the objects and their distance from one another.
Scientific Method(124-144)	NV	SCI.6-8.N.8.A.4	Students know how to design and conduct a controlled experiment.
Scientific Method(124-144)	NV	SCI.6-8.N.8.A.5	Students know how to use appropriate technology and laboratory procedures safely for observing, measuring, recording, and analyzing data.
Scientific Method(124-144)	NV	SCI.6-8.N.8.A.6	Students know scientific inquiry includes evaluating results of scientific investigations, experiments, observations, theoretical and mathematical models, and explanations proposed by other scientists.